

## REMARKS

Claim 7 has been canceled without prejudice, but claims 2-6 are still pending, because applicants believe that independent generic claim 1 is allowable.

The acronym "STW" has been defined, as requested. The acronym "DE" is already defined on page 2, line 9.

The drawings have been amended as required, as has the title.

Claim 1 stands rejected under § 102(e) on the basis of Ohmi. Applicants traverse this rejection because Ohmi does not disclose (or suggest) writing servo tracks using write start or stop sectors, as in the present invention.

The present invention relates to a method of writing a servo track in recording racks of a disk file apparatus, and the present claim 1 defines the following steps:

- (1) detecting continuous vibration asynchronous with the rotational frequency of a spindle motor;
- (2) detecting the phase of the detected asynchronous continuous vibration;
- (3) determining the write start sector (write start time) or the write end sector (write end time) of each servo track based on the detected phase of the asynchronous continuous vibration, and
- (4) moving the head by the head moving mechanism on the recording surface where the head positioning information is to be written and writing the information

based on the write start sector or the write end sector.

Ohmi executes steps (1) and (2) of claim 1. However, after the execution of the steps (1) and (2), Ohmi drives the spindle motor or executes the correction of the control of the head actuator driver together with the driving of the spindle motor. In this operation of Ohmi, the correction can be started at a suitable timing before writing the information or before reading the information, so that it is not necessary for Omi to define the start timing of the writing or the reading of information. For this reason, Ohmi fails to recite the steps (3) and (4) of the present invention.

The invention described in Ohmi relates to a method and apparatus for recording and reproducing data for a disk drive. Contrary to this, the present invention relates to the STW apparatus for writing a servo pattern on the recording track. Since the target of the invention disclosed in Ohmi is the disk drive, it is necessary to attach a processing circuit thereto. Contrary to this, the target of the present invention is the STW apparatus, so that processing circuit is not necessary.

Further, in order to reduce unnecessary vibration generated by the spindle motor, the control signal corrected by the correction signal is required for driving the motor or driving the motor and the head actuator in Ohmi, but a control signal of this kind is not necessary for the present invention.

Furthermore, the correction control for reducing unnecessary vibration can be always carried out in Ohmi, and it is not necessary to define the write start position of data and the write end position of data in Ohmi. Contrary to this, the definition of the write start position of data and the write end position of data for each track is necessary to write data in the present invention.

Ohmi fails to disclose the problem of developing a diametrical displacement of the servo track between the write start position and the write end position on a recording disk in the STW operation. The reason for this is that Ohmi considers that the servo track is the information track for determining the position of the head which has already been written on the recording disk and has no intention to change the method of writing the servo track. Accordingly, the problem of developing the diametrical displacement of the servo track cannot be solved by the invention disclosed in Ohmi. Only the present invention can solve the problem of developing the diametrical displacement of the servo track. Accordingly, withdrawal of this rejection is respectfully requested.

For the foregoing reasons, applicants believe that this case is in condition for allowance, which is respectfully requested. The examiner should call applicants' attorney if an interview would expedite prosecution.

Respectfully submitted,

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